

DELL CHILDREN'S MEDICAL CENTER of CENTRAL TEXAS

Location: North Central Austin

Project type: Institutional

Year installed: 2007

Description: The Dell Children's Medical Center site houses two publicly accessible green roofs: a 3,950 sq. ft. Conference Center Garden and a 7,015 sq. ft. garden serving the Chapel, Inpatient Therapy, Patient, Board room and balcony. Roof membrane construction is poured-in-place concrete over high-density rigid foam.



Photos courtesy of TBG Partners

Awards: 1st LEED Platinum hospital in the world

Green roof Area: 10,965 square feet

Green roof type: Intensive, monolithic, 18 inch soil depth

Reason for green roof: Sustainable design principles, aesthetics, addition of an accessible amenity, provide comforting natural area for patients

Green roof components: Garden Roof Assembly, American Hydrotech

Vegetation: Native and adapted drought-tolerant plants

Water Use: Irrigation with City of Austin reclaimed water

Amenities: Outdoor courtyards

Lessons Learned: Increased soil depth for greater moisture holding capacity. Plant loss due to shading by tall buildings and from reflection of heat from windows into courtyards. Owner commitment to ongoing maintenance is important to successful ongoing performance.